

2750 to 2816

1092 to 1124

$$\begin{array}{r} 490 \\ 1215 \\ \hline 1705 \end{array}$$

$$\begin{array}{r} 108 \\ 636 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 695 \\ 490 \\ \hline 1185 \end{array}$$

$$\begin{array}{r} 82 \\ 36 \\ \hline 46 \end{array} \quad 820$$

$$\begin{array}{r} 790 \\ 1580 \\ \hline 2370 \end{array}$$

$$\begin{array}{r} 135490 \\ 58 \\ \hline 77 \end{array}$$

$$\begin{array}{r} 1200 \\ 400 \\ \hline 1600 \end{array}$$

$$\begin{array}{r} 530 \\ 265 \\ \hline 795 \end{array}$$

70

127
790

2065

124
58
56

2950
790
2160

610 1 1/2 2

Tanner Reel

Correction to be added

Turns on reel	Cor	Turns on reel	Cor
50	0	500	11
100	0	550	13 1/2
150	1/2	600	16 1/4
200	1 1/2	650	19
250	2 1/4	700	22 1/2
300	3 3/4		
350	4 1/2		
400	7		
450	8 1/2		



Example

500 ~~on reel~~
on reel.

Sounding
125 turns

500
125

3.75

11
0.5 3/4

5 1/4 to add

500
75
425

11 7/8
2 1/2
2 1/2
11 7/8
180
49
670

7 to 12 + 1/2
18 to 25 + 1
25 to 35 + 1 1/2
35 to 45 + 2
45 to 60 + 2 1/2
60 to 70 + 3
70 to 85 + 3 1/2
85 to 100 + 4

11 1/2
5 1/4

$$\begin{array}{r}
 55 \\
 470 \\
 \hline
 525
 \end{array}$$

$$\begin{array}{r}
 39 \\
 35 \\
 \hline
 4
 \end{array}$$

$$\begin{array}{r}
 935 \\
 96056 \\
 49059 \\
 \hline
 1450
 \end{array}$$

$$\begin{array}{r}
 134 \\
 89 \\
 \hline
 95
 \end{array}$$

$$\begin{array}{r}
 1835 \\
 880 \\
 \hline
 2715
 \end{array}$$

4

$$\begin{array}{r}
 240 \\
 490 \\
 \hline
 730
 \end{array}$$

$$\begin{array}{r}
 54 \\
 89 \\
 \hline
 15
 \end{array}$$

$$\begin{array}{r}
 5300 \\
 470 \\
 \hline
 4830
 \end{array}$$

$$\begin{array}{r}
 2950 \\
 470 \\
 \hline
 2480
 \end{array}$$

125

$$\begin{array}{r}
 240 \\
 440 \\
 \hline
 700
 \end{array}$$

$$\begin{array}{r}
 36 \\
 18 \\
 \hline
 18
 \end{array}$$

$$\begin{array}{r}
 84 \\
 35 \\
 \hline
 49
 \end{array}$$

$$\begin{array}{r}
 240 \\
 18 \\
 \hline
 258
 \end{array}$$

$$\begin{array}{r}
 470 \\
 769 \\
 \hline
 1239
 \end{array}$$

$$\begin{array}{r}
 1312 \\
 790 \\
 \hline
 2102
 \end{array}$$

$$\begin{array}{r}
 115 \\
 490 \\
 \hline
 605
 \end{array}$$

$$\begin{array}{r}
 42 \\
 26 \\
 \hline
 7
 \end{array}$$

$$\begin{array}{r}
 125 \\
 58 \\
 \hline
 67
 \end{array}$$

No. 2750

Date

Nov. 27th '87Machine. *30* Reel.Turns *46* / Cor. + *35*Depth *496*Shot or lead *35 lb*Bottom *fine gy S.*Bottom temperature *44.5*No. of Thermometer *61597* Cor. *-.1*Corrected temperature *44.4*Air *81*Surface *8.0*Drift. *1 S.E.*Trawl or dredge or tangles *2 Ship's Snigges*

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

P.M. DOWN.

UP.

DOWN.

UP.

6 52.00	03.35	0	7.12.	58.40
53.40	02.15	100	15.40	55.45
54.30	7.01.00	200	20.15	53.30
55.35	59.45	300	24.05	50.40
56.55	58.00	400	28.10	47.00
		500	31.00	45.45
		600	33.30	43.00
		700	37.20	40.30
		800	41.35	34.40
		900	46.00	29.00
		1000	49.45	25.00
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

The surface net was
towed while dredging.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Few corals, crustacean
shells, sea urchins, etc.

No. 2751 Date Nov. 28-87

Machine. Bd Reel.

Turns 640 Cor. + 47 Depth 687. No current

Shot or lead 35 lbs

Bottom br. Glob. Oz.

Bottom temperature 40

No. of Thermometer 61597 Cor. -1

Corrected temperature 39.9

Air 81 Surface 81 Drift 1 7/8 SSE

Trawl or dredge or tangles Large beam

SOUNDING WIRE.

DREDGE ROPE.

A.M.	SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
	DOWN.	UP.		DOWN.	UP.
9.18.00		30.15	0	9.43.45	08.15
19.15		29.25	100	47.10	04.40
20.10		28.45	200	51.00	12.01.35
21.00		28.00	300	54.15	58.20
22.00		27.10	400	57.55	55.00
23.05		26.15	500	10.01.50	51.30
24.15		25.15	600	06.30	48.00
			700	11.00	44.30
			800	14.40	40.50
			900	18.55	37.15
			1000	22.45	33.35
			1100	26.35	29.10
			1200	30.25	24.30
			1300	34.00	21.40
			1360	36.10	11.19.30
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		

Towed surface net while dredging.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2752

Date

Machine. Reel.

Turns 260 Cor. + 21

Depth 281

Shot or lead 35 lbs

Bottom

Bottom temperature

No. of Thermometer

Cor. 0

Corrected temperature

Air

Surface

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.13.01

21.30

0

12.30 45 23.40

14.30

20.00

100

35.00 20.45

15.45

17.00

200

110.00 18.00

16.32

16.40

250

44.45 12.35

400

48.00 1.23.15

500

52.15 57.20

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Toward surface net whole
digging.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1 antedon, and pente
crinoids, sponges and
star fishes, cephalopods

No. 2753

Date

Machine. (C) Reel.

Turns 260 Cor. + 21

Depth 281

Shot or lead 35 lbs

Bottom

Bottom temperature

No. of Thermometer

Cor. 0

Corrected temperature 48.0

Air 82

Surface 81

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

450

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

500

450, 500

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2754* Date *Dec 5 1891*
Sigsbee Machine. *Reel*
 Turns *820* Cor. *60* Depth *880*
 Shot *on land 60 lbs*
 Bottom *Glob. Oz.*
 Bottom temperature *38*
 No. of Thermometer *61597* Cor. *-.1*
 Corrected temperature *37.9*
 Air *85* Surface *84* Drift. *2 1/2 S*
 Trawl or dredge or trawler *Large*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>9 10</i>	<i>25.35</i>	<i>0</i>	<i>12-42</i>	<i>2</i>
<i>10-10</i>	<i>24.40</i>	<i>100</i>	<i>47-35</i>	<i>1-25</i>
<i>10-55</i>	<i>24.00</i>	<i>200</i>	<i>51-10</i>	<i>58-40</i>
<i>11-45</i>	<i>23.20</i>	<i>300</i>	<i>54-35</i>	<i>55-50</i>
<i>12-35</i>	<i>22.35</i>	<i>400</i>	<i>58.30</i>	<i>53-10</i>
<i>1-15</i>	<i>21.45</i>	<i>500</i>	<i>1-01-45</i>	<i>51-20</i>
<i>14-20</i>	<i>20.50</i>	<i>600</i>	<i>X-5-30</i>	<i>47-25</i>
<i>15</i>	<i>19.55</i>	<i>700</i>	<i>9-45</i>	<i>44-10</i>
<i>16-10</i>	<i>18.45</i>	<i>800</i>	<i>13-20</i>	<i>41-15</i>
<i>17-10</i>	<i>17.40</i>	<i>900</i>	<i>16-45</i>	<i>37-10</i>
		<i>1000</i>	<i>20-15</i>	<i>33-40</i>
		<i>1100</i>	<i>24-5</i>	<i>30-10</i>
		<i>1200</i>	<i>27-50</i>	<i>26-40</i>
		<i>1300</i>	<i>31-0</i>	<i>22-55</i>
		<i>1400</i>	<i>34-25</i>	<i>19-05</i>
		<i>1500</i>	<i>37-55</i>	<i>14-35</i>
		<i>1600</i>	<i>43-0</i>	<i>2-10-5</i>
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

No. *11* Date *May 29*
Sigsbee Machine. *Sigsbee* Reel.
 Turns *19* Cor. *119* Depth *138*
 Shot or lead *60 lbs*
 Bottom *br. Col. Oz.*
 Bottom temperature *66.5*
 No. of Thermometer *61547* Cor. *0*
 Corrected temperature *36.5*
 Air *85* Surface *82* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.02.15	44.00	0		
03.15	43.15	100		
04.00	42.45	200		
14.45	42.05	300		
05.30	41.25	400		
06.20	40.45	500		
07.10	40.00	600		
08.00	39.20	700		
09.00	38.35	800		
10.00	37.50	900		
11.00	36.5	1000		
11.55	35.55	1100		
12.55	34.55	1200		
14.00	33.45	1300		
15.05	32.30	1400		
16.10	31.10	1500		
17.20	29.50	1600		
18.30	28.10	1700		
19.35	26.00	1800		
21.00	24.00	1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2055*Date *Dec. 7, 1881**Sigsbee* Machine. *B.D.* Reel.Turns *670* Cor. *150*Depth *720*Shot or lead *60 lbs.*Bottom *Br. M.*Bottom temperature *40*No. of Thermometer *61547* Cor. *-1*Corrected temperature *39.9*Air *63* Surface *81* Drift. *1881*Trawl or dredge or tangles *None*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>12.30.00</i>	<i>14.30</i>	0	<i>12.30.00</i>	<i>12.30</i>
<i>12.31.15</i>	<i>13.50</i>	100	<i>34.05</i>	
<i>04.30</i>	<i>13.15</i>	200	<i>36.15</i>	
<i>5.20</i>	<i>12.30</i>	300	<i>37.40</i>	
<i>6.00</i>	<i>11.45</i>	400	<i>40.00</i>	
<i>6.50</i>	<i>11.00</i>	500	<i>41.15</i>	
<i>07.45</i>	<i>10.15</i>	600	<i>41.15</i>	
		700	<i>50.10</i>	<i>03.20</i>
		800	<i>53.50</i>	<i>59.30</i>
		900	<i>57.50</i>	<i>56.35</i>
		1000	<i>1.01.30</i>	<i>53.30</i>
		1100	<i>.05.15</i>	<i>49.15</i>
		1200	<i>.08.40</i>	<i>1.45.15</i>
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1. deep sea mud
few red shrimp, and a
number of saccharine
fish.

No. *1093* Date *Jan 10 1881*
 Machine. *Sigsbee* Reel.
 Turns *225* Cor. *131* Depth *3406*
 Shot or lead *35 lb*
 Bottom *B. G. M. S.*
 Bottom temperature *37 1/2*
 No. of Thermometer *61597* Cor. *0*
 Corrected temperature *37.5*
 Air *82* Surface *80* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

<i>12-3-30</i>	<i>41.30</i>	<i>0</i>		
<i>4-25</i>	<i>40.35</i>	<i>100</i>		
<i>25.45</i>	<i>40.0</i>	<i>200</i>		
<i>26.25</i>	<i>39.05</i>	<i>300</i>		
<i>29.30</i>	<i>38.15</i>	<i>400</i>		
<i>30.45</i>	<i>37.25</i>	<i>500</i>		
<i>32.05</i>	<i>36.30</i>	<i>600</i>		
<i>33.30</i>	<i>35.35</i>	<i>700</i>		
<i>35.00</i>	<i>34.30</i>	<i>800</i>		
<i>36.30</i>	<i>33.15</i>	<i>900</i>		
<i>38.15</i>	<i>32.0</i>	<i>1000</i>		
<i>39.45</i>	<i>30.55</i>	<i>1100</i>		
<i>41.30</i>	<i>29.45</i>	<i>1200</i>		
<i>43.15</i>	<i>28.35</i>	<i>1300</i>		
<i>45.45</i>	<i>27.20</i>	<i>1400</i>		
<i>51.0</i>	<i>26.0</i>	<i>1500</i>		
<i>52.30</i>	<i>24.40</i>	<i>1600</i>		
<i>54.35</i>	<i>23.30</i>	<i>1700</i>		
<i>56.35</i>	<i>21.45</i>	<i>1800</i>		
<i>58.35</i>	<i>20.15</i>	<i>1900</i>		
<i>0.00</i>	<i>18.50</i>	<i>2000</i>		
<i>4.0</i>	<i>16.5</i>	<i>2100</i>		
<i>6.30</i>	<i>14</i>	<i>2200</i>		
<i>11.15</i>	<i>12.0</i>	<i>2300</i>		
		<i>2400</i>		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1094

Date Dec 15 1881

Machine. *Lucas* Reel.Turns *111* Cor. *111* Depth *111*Shot ~~or lead~~ *60 lbs*

Bottom

Bottom temperature

No. of Thermometer *61597* Cor.

Corrected temperature

Air *80* Surface *80* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
<i>31.00</i>	<i>40.15</i>	1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1000 fathoms
 Ocean Thermometer Case
 & K & B Thermometer #61597
 Sounding Rod

2500	
2600	
2700	
2800	
2900	
3000	
3100	
3200	
3300	
3400	
3500	
3600	
3700	
3800	
3900	
4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

Dec. 12 1885

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

not reached

Bottom temperature

No. of Thermometer 61595 Cor.

Corrected temperature

Air

Surface

Drift.

Trawl or dredge or tangles

SOUNDING WIRE

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4, 32.00

32.45

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

to bottom
up reaching with gun line
on reel.

<i>After 10 min. at 2500 noticed tide gauge on drum, heading into bottom.</i>	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



No. 1095 Date Dec. 15, 1880.

Machine. Reel.

Turns 2350 Cor. 179 Depth 2449

Shot or lead 60 lbs.

Bottom Glob. Cy.

Bottom temperature Ther. not exposed

No. of Thermometer 61545 Cor.

Corrected temperature

Air 82 Surface 80 Drift.

Trawl or dredge or tangles.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.30.00	25	0	
11.31.45	26.5	100	
11.33.30	28.0	200	
11.35.15	29.5	300	
11.37.00	31.0	400	
11.38.45	32.0	500	
11.40.30	33.30	600	
11.42.15	34.50	700	
11.44.00	36.35	800	
11.45.45	37.00	900	
11.47.30	38.40	1000	
11.49.15	39.35	1100	
11.51.00	40.35	1200	
11.52.45	41.30	1300	
11.54.30	42.30	1400	
11.56.15	43.30	1500	
11.58.00	44.15	1600	
11.59.45	45.00	1700	
12.01.30	46.50	1800	
12.03.15	47.45	1900	
12.05.00	48.30	2000	
12.06.45	49.00	2100	
12.08.30	49.45	2200	
12.10.15	50.30	2300	
12.12.00	51.00	2400	

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL-TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

Machine. *Bd Reel.*

Turns

Cor.

Depth

Shot or lead

35

* single for

Bottom

Bottom temperature

No. of Thermometer

Cor. 0.1

Corrected temperature

Air

Surface

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS:

DREDGE ROPE.

DOWN.

UP.

0

10.23.00

100

200

300

400

500

43.30

31.00

600

47.20

28.00

700

51.25

24.50

780

56. -

11.21.30

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

8 or 10 Macrurus, 5 Bortulids, 2 Diap...
 1 small shrimp, 1 small...
 1 small...
 1 small...
 1 small...

H.S.

No. 1046 Date March 5 1891
Sigsbee Machine. *B.D.* Reel.
 Turns 1215 Cor. 420 Depth 1263
 Shot or lead 35 lbs.
 Bottom loose
 Bottom temperature 38
 No. of Thermometer 61545 Cor. 0.1
 Corrected temperature 37.9
 Air 78 Surface 79 Drift. —
 Trawl or dredge or tangles —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

01.45	34.45	0
02.45	33.50	100
03.35	33.00	200
04.30	32.00	300
05.30	31.05	400
06.45	30.05	500
10.45	29.05	600
12.45	28.05	700
15.10	27.15	800
16.30	26.20	900
17.55	25.00	1000
18.30	24.35	1100
20.45	22.30	1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL-TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2477*

Date

*Dec 16 1877*Machine. *Bd Reel.*Turns *19* Cor. *1* Depth *20*Shot or lead *35 lb.*Bottom *Br. Sh.*Bottom temperature *79*No. of Thermometer *61595* Cor. *+ 0.1*Corrected temperature *79.1*Air *81* Surface *79* Drift.~~Trawl or dredge or tangles~~ *Whit' dredge*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*1-32.30**4-35-15**1-32.30**3-3.10**35**4-36.15**4-43.30**4-39.10**4-44.30*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL-TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Broken and dead shells.
S. Algae
H. ...
 (

No.

2758

Date

Dec 16/87

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air

Surface

Drift.

Trawl or dredge or tangles

Ship's dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0
25
100

450.0

58.0

51.0

456.0

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Bryozoans -
 Shells
 Crabs.
 Corallines. and
 the bottom

507
 Same position as 5758
 1/4 mile to S
 No. 2550 Date Dec. 16th 87
 Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air Surface Drift.

Trawl or dredge or tangles Small beam.

SOUNDING WIRE.

DOWN. UP.

TURNS.

PM DREDGE ROPE.

DOWN. UP.

0

38

400

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

4.59.00 5.08.50
 5.01.30 5.07.30

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*Fishes and Seals,
Bryozoans
Algae*

No. 1097

Date Dec. 17th 87

Machine. S. Reel.

Turns 205 Cor. +

Depth 296

Shot or lead 35 lb.

Bottom Br. S.

Bottom temperature 38

No. of Thermometer 61575 Cor. - 0.1

Corrected temperature 37.9

Air 61 Surface 79 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

p. 5.

No. 2760 Date Jan 10 1887.

Machine. Sigsbee Reel.

Turns 960 Cor. 1 59 Depth 1018

Shot or lead 35

Bottom br. G.

Bottom temperature 39 1/2

No. of Thermometer 61595 Cor. - 0.1

Corrected temperature 39 1/4

Air 84 Surface 50 Drift. 1 S 1/2 W

Trawl or dredge or tangles 12 fms

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.	UP.		DOWN.	UP.
3.32.00	5.45	0	4.11.55	38.75
34.00	5.5	100	15.30	35.15
34.50	4.30	200	18.0	32.30
35.45	3.50	300	20.25	29.40
36.45	3.05	400	22.15	26.45
37.45	2.15	500	28.0	20.10
38.45	1.45	600	31.55	17.20
39.45	1.30	700	35.00	14.35
40.45	1.15	800	38.0	11.50
41.45	1.00	900	41.25	8.0
		1000	45.25	06.0
		1100	49.05	03.0
		1200	52.35	59.55
		1300	56.30	56.50
		1400	5.00.40	53.35
		1500	04.30	47.35
		1600	08. —	5.42.55
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Trawl surface of which dredging.	Trawl came up covered.	2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

1 Macrozo REMARKS.

1 Starfish
 out coral
 Sponges
 Tentacles.
 Platyhelms
 Sponges

No. 2761

Date Dec. 26

Machine. 3d Reel.

Turns 481 Cor. 1

Depth 218

Shot ~~on lead~~ 35 lbs.

Bottom Oter Oz.

Bottom temperature

No. of Thermometer 6157.5 Cor. 0.1

Corrected temperature

38.9

Air 60

Surface 79

Drift. 3' 30"

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12 0.00

17.05

28.00

39.00

50.00

11.10

22.20

33.30

17.05

28.05

39.30

50.55

62.20

73.40

84.55

96.10

107.25

118.40

129.55

140.70

151.85

163.00

174.15

185.30

196.45

207.60

218.75

229.90

241.05

252.20

263.35

274.50

285.65

296.80

307.95

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

12.00

16.05

21.00

26.00

31.00

36.15

41.30

46.30

51.15

56.00

60.45

65.30

70.15

75.00

79.45

84.30

89.15

94.00

98.45

103.30

108.15

113.00

117.45

122.30

127.15

132.00

136.45

14.00

15.05

16.00

17.00

18.00

19.45

20.30

21.30

22.20

23.10

24.15

25.20

26.30

27.30

28.20

29.10

30.00

30.30

31.00

31.30

32.00

32.30

33.00

33.30

34.00

34.30

35.00

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1. *Many specimens of the same kind, but of different sizes, were found in the same place.*

No. *27*Date *Dec. 30th*Machine *Sigsbee* Reel.Turns *55* Cor. *+ 4*Depth *59*Shot or lead *35*Bottom *bu M.*Bottom temperature *57*No. of Thermometer *61505* Cor. *+ 0.1*Corrected temperature *57.4*Air *72* Surface *70* Drift *1/2 mi. S. 1/2 E.*Trawl or dredge or tangles *Ship's*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*05.30**07.33**0**5.13**01.15**06.25**07.40**55**10.00**08.15*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
5	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*Lat. 41° 15' N, Long. 161° 15' W. S. 1000 fms. and
 down to 1000 fms. bottom was
 soft mud, shell and coral.*

No. *2763* Date *Dec. 30*
Sigsbee Machine. *Rd* Reel.

Turns *630* Cor. + *41* Depth *671*

Shot or lead *35 lb*

Bottom *Brk. Gr. O. S.*

Bottom temperature *38*

No. of Thermometer *61545* Cor. - *0.1*

Corrected temperature *37.9*

Air *79* Surface *75* Drift.

Trawl or dredge or tangles *Large R.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5-31-30</i>	<i>45.30</i>	<i>0</i>	<i>5.59.30</i>	<i>16.20</i>
<i>32-15</i>	<i>45.0</i>	<i>100</i>	<i>6.3.30</i>	<i>13.30</i>
<i>33-0</i>	<i>44.30</i>	<i>200</i>	<i>6.5.5</i>	<i>10.25</i>
<i>34-5</i>	<i>43.50</i>	<i>300</i>	<i>9.50</i>	<i>08-</i>
<i>35-0</i>	<i>42.25</i>	<i>400</i>	<i>13.30</i>	<i>05-</i>
<i>36-20</i>	<i>41.10</i>	<i>500</i>	<i>17.0</i>	<i>8.02.30</i>
<i>37-1</i>	<i>40.0</i>	<i>600</i>	<i>21.15</i>	<i>55.35</i>
<i>38-0</i>	<i>39.30</i>	<i>700</i>	<i>25.35</i>	<i>52.50</i>
		<i>800</i>	<i>29.35</i>	<i>50.10</i>
		<i>900</i>	<i>33.5</i>	<i>47.5</i>
		<i>1000</i>	<i>37.20</i>	<i>47-10</i>
		<i>1100</i>	<i>41.45</i>	<i>43.45</i>
		<i>1200</i>	<i>46.10</i>	<i>39.30</i>
		<i>1300</i>	<i>50.15</i>	<i>36.30</i>
		<i>1400</i>	<i>54.50</i>	<i>34.0</i>
		<i>1450</i>		
		<i>1500</i>	<i>7.5.5</i>	<i>7.32.30</i>
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1678 Date Dec 11/12
Machine. Reel.
Turns Cor. Depth 889

Shot or lead 35 lbs

Bottom

Bottom temperature 39

No. of Thermometer 615 Cor. - 0.1

Corrected temperature 38.9

Air 75 Surface 75 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

127.30	53.00	0
28.30	51.45	100
29.30	44.00	200
30.30	43.30	300
31.30	42.00	400
32.30	40.00	500
33.30	39.00	600
34.45	37.00	700
35.00	37.00	800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

A. J. P.

No. 1099 Hyd. Date Dec 31/17
Machine. Bd Reel.

Turns 1000 Cor. + 61 Depth 1061

Shot or lead 35 lb.

Bottom Pls. O. g.

Bottom temperature 39

No. of Thermometer 61595 Cor. - 0.1

Corrected temperature 38.9

Air 75 Surface 75 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

Water

7-10-10	30.25	0
11-5	29.45	100
12-5	29.0	200
13-0	28.10	300
14-5	27.20	400
15-10	26.30	500
16-20	25.30	600
17-25	24.25	700
18-20	22.20	800
19.55	21-5	900
20.30	20-35	1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hyd 1100* Date *Dec. 31-97**Sigsbee* Machine *Ed Reel.*Turns *1030* Cor. *63* Depth *1099*Shot or lead *35 lb.*Bottom *br. Glob. Os.*Bottom temperature *38*No. of Thermometer *61515* Cor. *-0.1*Corrected temperature *38.1*Air *78* Surface *75* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

am.	DOWN.	UP.	TURNS.
10	42.00	03.30	0
	43 —	02.30	100
	43.55	01.50	200
	44.50	01.10	300
	45.55	11.00.30	400
	47-00	59.40	500
	48.15	58.40	600
	49.15	57.50	700
	50.30	56.45	800
	51.15	55.30	900
	53-00	54.15	1000
			1100
			1200
			1300
			1400
			1500
			1600
			1700
			1800
			1900
			2000
			2100
			2200
			2300
			2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL-TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

165.

No. *165* Date *Jan 10 1881*
Sigsbee Machine. *BA* Reel.
 Turns *760* Cor. *50* Depth *1010*
 Shot or lead *35 lbs*
 Bottom *br. Lab. Ogr.*
 Bottom temperature *39*
 No. of Thermometer *115* Cor. *- 0.1*
 Corrected temperature *38.9*
 Air *78* Surface *5* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.
<i>12.10.00</i>	<i>32.20</i>	0
<i>45</i>	<i>31.40</i>	100
<i>11.45</i>	<i>30.45</i>	200
<i>12.45</i>	<i>30.00</i>	300
<i>13.55</i>	<i>29.15</i>	400
<i>14.55</i>	<i>28.15</i>	500
<i>16.00</i>	<i>27.15</i>	600
<i>17.10</i>	<i>26.15</i>	700
<i>18.15</i>	<i>24.20</i>	800
<i>19.30</i>	<i>22.35</i>	900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL-TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

p. 9.

No. *1102* Date *Dec. 31*
Agchee Machine *B'd Reel.*
 Turns *890* Cor. + *55* Depth *945*
 Shot or lead *35 lbs.*
 Bottom *br. ls. gy.*
 Bottom temperature *38.5*
 No. of Thermometer *61595* Cor. - *0.1*
 Corrected temperature *38.4*
 Air *78* Surface *76* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.52.30</i>	<i>1.33.0</i>	0		
<i>53.30</i>	<i>1.20.0</i>	100		
<i>54.25</i>	<i>1.15.0</i>	200		
<i>55.10</i>	<i>1.10.0</i>	300		
<i>56.10</i>	<i>1.05.0</i>	400		
<i>57.15</i>	<i>09.50</i>	500		
<i>58.15</i>	<i>09.40</i>	600		
<i>59.20</i>	<i>09.30</i>	700		
<i>2.00.30</i>	<i>09.10</i>	800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1103* Date *Jan 10**Cable* Machine. *Bd Reel.*Turns *730* Cor. *4* Depth *77*Shot or lead *35 lb*Bottom *vr. blsh. Gy.*Bottom temperature *38*No. of Thermometer *6555* Cor. *-0.1*Corrected temperature *37.9*Air *78* Surface *76* Drift.

Trawl or dredge or tangles.

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

<i>328 10</i>	<i>4300</i>	0
<i>2900</i>	<i>4210</i>	100
<i>2810</i>	<i>4120</i>	200
<i>2720</i>	<i>4030</i>	300
<i>2630</i>	<i>3940</i>	400
<i>2540</i>	<i>3850</i>	500
<i>2450</i>	<i>3760</i>	600
<i>2360</i>	<i>3670</i>	700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1141, 1101* Date *Nic 31/87*
Sigsbee Machine. *Bd* Reel.

Turns *710* Cor. *1 1/6* Depth *750*

Shot or lead *35 lb*

Bottom *br Glob Cr.*

Bottom temperature *38*

No. of Thermometer *61520* Cor. *- 0.1*

Corrected temperature *37.9*

Air *77* Surface *76* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9. 32.45</i>	<i>49.5</i>	0		
<i>33.35</i>	<i>48.0</i>	100		
<i>34.35</i>	<i>47.20</i>	200		
<i>35.35</i>	<i>46.30</i>	300		
<i>36.45</i>	<i>45.40</i>	400		
<i>38.0</i>	<i>44.35</i>	500		
<i>39.15</i>	<i>43.50</i>	600		
<i>40.30</i>	<i>41.0</i>	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1115* Date *July 2-1880*Machine. *—* Reel.Turns *50* Cor. *+ 3* Depth *78*~~Shot or lead~~ *25 lbs*Bottom *S. G. M. S.*Bottom temperature *Not taken*

No. of Thermometer Cor.

Corrected temperature

Air *62* Surface *76* Drift.Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P.M.
3.20.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hydro 1106* Date *Jan 3 1888*
 Machine. *Reel*

Turns Cor. + Depth *24*

Shot or lead *25*

Bottom *S & G*

Bottom temperature *Not taken*

No. of Thermometer Cor.

Corrected temperature

Air *71* Surface *71* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1107* Date *Aug 2 1887*
Tanner Machine. *Reel Basnet*
 Turns *11* Cor. + *0* Depth *11*
 Shot or lead *35*
 Bottom *gy S*
 Bottom temperature *in 11*
 No. of Thermometer *11* Cor. *0*
 Corrected temperature *72*
 Air *72* Surface *71* Drift. *0*
 Trawl or dredge or tangles *0*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12-00-00</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. Hydro 1108 Date Jan 3 1901
Tanner Machine. Reel. Bassett
Turns Cor. + Depth 14
Shot or lead 25 lbs
Bottom gy. S.
Bottom temperature not taken
No. of Thermometer Cor.
Corrected temperature
Air 72 Surface 70 Drift.
Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>P.M.</u> <u>4.10-00</u>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		2200		
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	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1109* Date *Mar 30 88.*
Tanner Machine. Reel *Barrett*
 Turns Cor. + Depth *14*

~~Shot or lead~~ *2*

Bottom *fine dk S.*

Bottom temperature *not taken*

No. of Thermometer Cor.

Corrected temperature

Air *70* Surface *70* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5 30.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1110* Date *Jan 11 1910*
Tanner Machine. Rect. *25 lbs*
 Turns *11 1/2* Cor. +
~~Shot or lead~~ *25 lbs*
 Bottom *fine dk S.*
 Bottom temperature *Not taken*
 No. of Thermometer Cor.
 Corrected temperature
 Air *68* Surface *70* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.11</i> <i>6.30.00</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1111* Date *July 3^d 18*
Yankee Machine. Reel. *Brown*
 Turns Cor. + Depth *13*
 Shot or lead *25 lbs.*
 Bottom *fine sh. S.*
 Bottom temperature *not taken*
 No. of Thermometer Cor.
 Corrected temperature
 Air *67* Surface *70* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.40-00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2764*Date *Jan. 12 '00*Machine *Reel*Turns — Cor. + — Depth *11 1/2*Shot or lead *35 lb*Bottom *S bk sh*Bottom temperature *at 5 min*

No. of Thermometer — Cor. —

Corrected temperature —

Air *69* Surface *68* Drift *1/2 mi*Trawl or dredge or tangles *Large beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

*8.42.15**9.00.00**40*
100
200*45.00**58.00*

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Caprellus, mytilus, amphipoda,
macrura, galathea, pycnogon
larvae, crustacea, nauplius, tro-
chophora, planula, larva, etc.
many, etc. - isopoda,
amphipoda, etc.

No.

2765

Date

Jan. 12th 188

Machine.

Reel.

Turns

Cor.

Depth

10 1/2

Shot or lead

Bottom

S. brksh.

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air

68

Surface

68

Drift

1/2 S.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

910

0

9.08.45

30.15

40

9.11.15

28.45

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*Current in surface - 3
 The following are taken:
 surface with 2 ft. from
 bottom, and 1 ft. from
 bottom mixed. Not quite
 mixed, made up of 2 ft. from
 bottom and 1 ft. from bottom.*

No.

2966

Date

Jan. 12/89

Machine.

Reel.

Turns

Cor. +

Depth 10 1/2

Shot or lead

Bottom

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air

69

Surface

68

Drift.

3 1/4 S.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

4.50

17 15

5:30 10 15 15

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1
 The water was very calm
 and the following observations
 were made, the surface, no wind
 felt, the air was calm, and the
 water was very calm.

No. *1512* — Date *Jan 12 1888*

Machine.

Reel.

3

Turns

Cor. +

Depth *12*~~Shot~~ or lead *25 lb*Bottom *S bk sh*Bottom temperature *not taken*

No. of Thermometer

Cor.

Corrected temperature

Air *69* Surface *68* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*AM**11-00-00*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2767* Date *Jan'y 13th '88*
Tanner Machine. Reel *Barnett*

Turns Cor. + Depth *52*

Shot or lead *25 lb*

Bottom *fine dk. S.*

Bottom temperature *not taken*

No. of Thermometer Cor.

Corrected temperature

Air *66* Surface *64* Drift. *1 mi. SSW*

Trawl or dredge or tangles *Large*

SOUNDING WIRE.

DOWN.

UP.

12.42.50

12.44.00

TURNS.

100

150

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

12.55.30

27.15

12.55.30

24

57.20

1.22.00

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Actiniae, Actophyton, Actiniae
Etenodiscus, Pecten
Voluta, Mopiliaria, Brisinga,
Leda, Phytolus, Pectaria
Barnacles, Corals,

No. 2768
Tanner Machine.Date Jan 14th 88
Reel.Turns 41 Cor. + 2 Depth 43~~Shot or lead~~ 2560Bottom dk S. blk. Sp.Bottom temperature Ther. not carriedNo. of Thermometer 61595 Cor.

Corrected temperature

Air 62 Surface 61 Drift, 1 1/2 S 9 W.Trawl or dredge or tangles Large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.47.3049.25

0

11.53.4527.50

100

58.1524.4015012.00.1022.45

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

SLP

No. *2769* Date *Jan 15" 85*
Tanner Machine. Reel. *55*
 Turns *49* Cor. *1* *2 1/2* Depth *5 1/2*
~~Shot or lead~~ *25 lbs*
 Bottom *gn M. fine S.*
 Bottom temperature *56.5*
 No. of Thermometer *61595* Cor. *+*
 Corrected temperature *56.1*
 Air *60* Surface *58* Drift *1 1/4 S 3/4 W*
 Trawl or dredge or tangles *Long beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11,33.00</i>	<i>11,34.30</i>	<i>0</i>	<i>11,38.15</i>	<i>09.30</i>
		<i>100</i>	<i>42.20</i>	<i>06.30</i>
		<i>150</i>	<i>44.10</i>	<i>12,05.00</i>
		<i>200</i>		
		<i>300</i>		
		<i>400</i>		
		<i>500</i>		
		<i>600</i>		
		<i>700</i>		
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

Dredged surface - not while dredging.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS
Among Echinoderms, *Strophomena*,
Astrophyton, *Aspidopora*, *Strophomena*,
Strophomena, *Strophomena* - small
specimens very abundant.
Strophomena, *Squillaria*,
Munida, *Loxopoda* abundant.
Stenistegina abundant in interglacial.
of mollusks *Rossia*, *Galdia*, *Pecten*.

No. 2770

Date Jan. 16th 85

Machine.

Reel.

Barnett 65

Turns 55 Cor. + 3

Depth 58

~~Shot or lead~~ 25 lbs

Bottom gy. S. bl. sp.

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air 55

Surface 52

Drift. 1 1/2

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

11.32.15

11.34.15

0

11.36

07.35

100

40.35

04.30

200

12.25

12.02.15

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

David S. ...
 ...

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Many Decidians including *Malania*
gigantea. Bryozoans. *Echinia*
ellum — *Asterophyton*. *Fedusia*
 large *Isobryozoa*. *Ceratacan*
 — *Munida*, *Serolis*, *Littinia*.
Halysia — *Rassia*, *Lobis*, *Prochus*
Natica, *Aluton*.

No. 2771 Date June 17th 38
 Tanner Machine. Reel. Barrett 58
 Turns 48 Cor. A 2 1/2 Depth 50 1/2
 Shot or lead 25 lb.
 Bottom gy. S. bk. Sp.
 Bottom temperature 49.5
 No. of Thermometer 61595 Cor. -.1
 Corrected temperature 49.4
 Air 49 Surface 50 Drift. 1/2 mi SKW
 Trawl or dredge or tangles Large beam

SOUNDING WIRE.

DOWN.

UP.

11 29 30

31, 30

TURNS.

100

150

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

32.30 12.00.10

37.30 57.15

39.45 55.30

Trawl surface net under
dragging.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Echinodermata - Asteria, Tribella
Anchaster, Chamaeleon, Brisinga,
Asterophyton, Schizaster, Echinochorda.
Mollusca - Natica, Turris,
Trochus, Crustacea - Leptocaris,
Squilla, Hippidae. Coelenterates -
Actinia, Alcyonium.

No. 2472

Date Jan 17 1881

Machine. Reel.

Turns 30 Cor. 1 1/2

Depth 31 1/2

Shot or lead 25 lb.

Bottom for 94

Bottom temperature

No. of Thermometer —

Cor.

Corrected temperature

Air 60 Surface

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.	UP.		DOWN.	UP.
4.02	4.03	0	4.54.5	22.50
		100	10.50	19.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Crustaceans — Serolis, Copepods
 Amphipods. Brachiofods.
 Echinoidea. Various Worms.
 Sagitta.

No.

277

Date

Machine. — Reel.

Turns

Cor. +

Depth 10

Shot or lead

Bottom

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge or tangles

SOUNDING WIRE.

UP.

TURNS.

DREDGE ROPE.

UP.

5.13

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DOWN.

5.13

1.8

2.1

2.2

2.3

2.4

2.5

2.6

2.7

2.8

2.9

3.0

3.1

3.2

3.3

3.4

3.5

3.6

3.7

3.8

3.9

4.0

4.1

4.2

4.3

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE:

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Jamontes — Batania, Molga
 la, Batrylure. Crustaceans
 Balanus, terebr. Isopods.
 Amphipods — Anchoeta,
 Cophimare, Holothurians.
 Annelids.

No. 2774

Date

Aug 18th 88Hand Lead Machine. ☒ Reel.

Turns

Cor. +

Depth

17

Shot or lead

Lead

Bottom

S. g.

Bottom temperature

Not taken

No. of Thermometer

Cor.

Corrected temperature

Air

52

Surface

49

Drift.

1/4th S. 1/2th W.

Trawl or dredge or tangles

none beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4.30

0

60

120

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

4.31.00

32.45

4.35.00

43.00

	2500	
	2600	
	2700	
	2800	
	2900	5.2
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

- These species of fish, 26
 Ascidians - Molgula.
 Mollusks - Roesia, Triton.
 Crustaceans.
 Crustaceans

No. 2115 Date Jan. 18 1888
 Machine. Reel. Bassett 30
 Turns 212 Cor. + $1\frac{1}{2}$ Depth 213
 Shot or lead 25 lbs.
 Bottom S. M.
 Bottom temperature 10.2
 No. of Thermometer — Cor. —
 Corrected temperature —
 Air 54 Surface 51 Drift. 1
 Trawl or dredge or tangles Small

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7 37 3	40 10	0	7 41 45	2 30 0
		400	45 00	47.00
		74		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Ascidians — *Bolita*, two other
species —
Echinoderm — *Hydra*,
Antaria, *Aphidocera* —
Gallus — *Fusus*, *Trochus*,
Brachipoda — *Terebratula* —
Curtaceans — *Many species*.

No. 2776 Date Jan. 18
Hand Lead Machine. Reel.
 Turns Cor. + Depth 21
 Shot or lead Lead
 Bottom S. G. Hat
 Bottom temperature S. G. Hat
 No. of Thermometer Cor.
 Corrected temperature
 Air 13 Surface 57 Drift. —
 Trawl or dredge or tangles none

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12, 10.00		0	12, 10.40	26.30
		60	13.00	25.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Hydroidea -
Echinoderm - *Hydra*.
Echini - *Ascidia*
Quaternary

No. 257

Date

Jan. 19th 1888.

Machine. Reel.

Turns —

Cor. +

Depth 9 3/4

~~Shot or lead~~ 7 1/2

Bottom S.

Bottom temperature

Not taken

No. of Thermometer —

Cor. —

Corrected temperature

Air 57

Surface 1

Drift. —

Trawl or dredge or tangles

Small

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1. 18

0

60

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

117

121

31

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Echinodermata — *Asterias*,
Psolus, white *Holothurian*.
Sphionura.
Mollusks — *Aster*, *Cruciatula*,
Trochus, *Fusus*, *Panopaea*,
Brachiofoda — *Teuthida*.
Ctenophora — *Mnemiopsis*, *Euprymna*, *Salpae*.

No. 2778 Date Jan'y 23rd 1888
 Tanner Machine. Reel *Winnett 50*
 Turns 58 Cor. 4 3 Depth 61
~~Shot or lead~~ 25 *lb*
 Bottom *gy. s. sh. sp.*
 Bottom temperature 48
 No. of Thermometer 61575 Cor. - 1
 Corrected temperature 47.9
 Air 52 Surface 49 Drift. *1^{mi} E X S.*
 Trawl or dredge or ~~lanterns~~ *large beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.15.00	17.30	0	10.19.30	49.00
		100	23.30	46.00
		180	26.20	10.43.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Echinus, *Schizaster*, *Syllis*
abundant, *Brachyopa*, *Arctia*
Brachyopa - *Triton*
Mollusca - *Pecten*, *Saxaria*
Hydra, *Acrobia*, *Turritella*
Sida abundant. *Voluta*, *Antiparus*
Sk etc.

No. 2779

Date

July 23^d 1888

Machine.

Reel.

Turns 74 Cor. 1

3 1/2

Depth

77 1/2

~~Shot or~~ lead 25

Bottom gm C.

Bottom temperature 47

No. of Thermometer 61595 Cor. -1

Corrected temperature 46.9

Air 52 Surface 49 Drift. 13/4 mi SSE

Trawl or dredge or tangles large beam

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

Am.

11.39.00

41 15

0

11.42.00

19.145

100

46.00

16.20

200

50.10

12.13.00

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Chinodermis - *Sabijaria*
 abundant, *Chinodermis*,
Archenter, *Buvinga*.
Holothurians.
Mollusks - *Nucula*, *Yoldia*.
Pecten, *Gastropodum*, *Cardita*.
Celenterates, *Actinia*, *Scyphozoa*.

No.

2780

Date

July 15

Machine.

Reel.

116

Turns 345 Cor. + 24

Depth 369

Shot or lead 35 lb

Bottom Gr mud.

Bottom temperature 47

No. of Thermometer 61595 Cor. -.1

Corrected temperature 46.9

Air 54 Surface 51 Drift. 11.21

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.	UP.		DOWN.	UP.
11-27-25	11-31-25	0	11-10-10	
28-25	32-25	100	44-40	45.55
29-30	33-25	200	48-15	43.20
30-30	34-25	300	52-35	40.35
31-	34-40	45	56-40	37.45
		400		
		500	12-0-25	
		600	14-40	
		700	0-30	
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Fishes — Small young of *S. ...*
 Crustaceans — *Pentapoda*
 Mollusks — *Scutalaria*, *Cardium*,
Eulima, *Natica*, *Trophus*, *Solium*,
Hydrobia, *Conchita*, *Neatra*, *Retia*, *Limpa*,
Schizotha — *Schizotha*, *Schizotha*,
Schizotha, *Schizotha*.

No. 761

Date

Feb. 4th 1880

Sigsbee Machine.

Reel. Baird

Turns 325 Cor. + 23

Depth 348

Shot or lead 35 lbs

Bottom br. M.

Bottom temperature 50

No. of Thermometer 61595 Cor. -.1

Corrected temperature

49.9

Air 51

Surface 51

Drift 15" E. 19"

Trawl or dredge or tangles Large Bean

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.18	2530	0	12.30.30	
17.20	2420	100		
21.30	2340	200		
21.30	2200	300	41.10	11.22
		400	14.00	11.50
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Temperature up with a
large net, torn in the
middle

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Filter - Spring day-fish.
Crustaceans - Lenticularia,
Murchie, Isopods - [Chel]
Mollusks - Pecten, Nucula, Haliotis
Echinoderms - Cucurbita, Pecten.
Corals - Sclerophylloids in-
gular very abundant, Anemonians

No.

Date

Machine. *Sigsbee* Reel.

Turns

Cor. +

18

Depth

258

Shot or lead

35 lb.

Bottom

Blue mud

Bottom temperature

48

No. of Thermometer

61595

Cor. - .1

Corrected temperature

47.9

Air

Surface

49

Drift.

Trawl or dredge or tangles

Small (Sigsbee)

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

24-25

31-25

0

5-34-45

29-45

25-35

31-10

100

35-00

26-00

26-40

30-25

200

43-45

22-45

27-50

29-00

40
300

117-45

11-45

400

51-0

17-45

500

56-0

6-13-50

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No.

Date

Machine. *B & Reel.*Turns *115* Cor. + *7*Depth *122*Shot or lead *35 lb.*Bottom *Blue mud.*Bottom temperature *48*No. of Thermometer *61595* Cor. *-.1*

Corrected temperature

*47.9*Air *16.6*Surface *47.9*

Drift./

1/11 X 1/1

Trawl or dredge or tangles

Simple beam

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>36-40</i>	<i>39-50</i>	0	<i>7-43-0</i>	<i>24.50</i>
<i>37-45</i>	<i>39-12</i>	100	<i>47-10</i>	<i>44.35</i>
<i>38-0</i>	<i>38-30</i>	15	<i>51-15</i>	<i>17-25</i>
		200	<i>56-15</i>	<i>8-15-35</i>
		<i>250</i>		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200	Pommes - Aphididae and			
300	other insects -			
400	Echinoderm - Echinus			
500	Ascidians, Solaster -			
600	Heterostichus -			
700	Ascidians - Bolonera			
800	Insects.			
900				
1000				

REMARKS.

Fishes - Macrurus, Physiculus
 species, dog-fish -
 Crustaceans - Penaeus, Squilla,
 Callinectes - Decapoda, Crustacea,
 Pycnogonans, Limulus, Murex, Simulium
 Cardita - Trochostoma -

No. 2704

Date

Feb 8th 1888

Sigsbee

Machine.

Reel. Wain

Turns 180 Cor. + 14

Depth 194

Shot or lead 35 lbs

Bottom m. s. l.

Bottom temperature

No. of Thermometer 61595 Cor. - .1

Corrected temperature 51.2

Air 55

Surface 55

Drift, 1/2 mile N. E.

Trawl or dredge or tangles

Large beam

SOUNDING WIRE.

DOWN.

UP.

9.50 54.00

51.10 53.20

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

10.10 11.10

05.30 11.20.00

09.20 39.36

12.10 37.00

15.10 35.10

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

1000 fms. - Dogfish -
 Crustaceans - Pentasthes, Pacific
 L. bini's
 Mollusks - Nucula, Toldia - Dentalium
 Echin. - Calappa.
 Worms - Hydroids; Nemertean
 Echinoderms - Echinoderm, Echinoderm
 & Ligula.

No.

2785

Date

July 10th 1886

Sigsbee

Machine. B. & Reel.

Turns 420

Cor. +

29

Depth

449

Shot or lead

35 lb.

Bottom

Sh. M. S.

Bottom temperature

47

No. of Thermometer

61595

Cor. - .1

Corrected temperature

46.9

Air

58

Surface

54

Drift. 1 1/2 m. 4 W. 4 N.

Trawl or dredge or tangles

12 m.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-57-110

06-30

0

2-08-50

36-40

58-40

06-00

100

11-150

36-50

59-35

05-55

200

15-25

37-10

2-0-40

04-15

300

19-00

38-25

1-110

03-25

400

22-30

39-35

1-45

2-02-50

500

25-50

40-40

600

28-10

41-50

700

32-40

42-20

800

36-0

43-55

900

40-10

44-50

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Pecten small.
Sticta, *Costellaria*
Sticta -
Sticta
Sticta - *Sternaspis*, *Aurelia*
Sticta - *Halothuridae*
Sticta - *Sticta* - *Sticta*
Sticta - *Sticta*

No. 1775 Date May 19 1881Machine Sigsbee Reel.Turns 53 Cor. 1 4 Depth 57~~Shot or lead~~ 35 lbs.Bottom gn. M.Bottom temperature 55No. of Thermometer 525 Cor. - .1Corrected temperature 54.9Air 60 Surface 57 Drift 1/4 mi. S ETrawl or dredge or tangles large beam

SOUNDING WIRE.

DOWN.

UP.

12.46.15 48.00

TURNS.

0

100

12.0
200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

12.50.15 07.3054.20 04.2055.00 1.03.30

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No specimens

No. *2787* Date *Feb'y 9th 1888*
 Machine. *B. & Rect.*

Turns *57* Cor. + *4* Depth *61*

Shot or lead *35 lb.*

Bottom *an. M.*

Bottom temperature *54*

No. of Thermometer *61595* Cor. - *.1*

Corrected temperature *53.9*

Air *60* Surface *57* Drift. *1/2 N. 55 1/2 E.*

Trawl or dredge or tangles *Large beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>1.12.45</i>	<i>14.30</i>	0	<i>1.18.00</i>	<i>41.45</i>
		100	<i>22.40</i>	<i>38.40</i>
		<i>120</i>	<i>23.30</i>	<i>38.00</i>
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500	
2600	
2700	
2800	
2900	
3000	
3100	
3200	
3300	
3400	
3500	
3600	
3700	
3800	
3900	
4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Fishes - *Flounder*, *Physic-like species*.
Crustaceans - *Scudella*, *Camacea*
Annelus
Polychaeta - *Pseudotoma*, *Rossia*
Hydroids, *Medusa*.
Echinodermata - *Solenaster*, *Archaster*
Swida, *Scleraster*.

No. 2788

Date Feb 1

Machine. Reel. P. 11

Turns 992 Cor. + 50

Depth 1050

Shot or lead 35 lb

Bottom gn. M.

Bottom temperature 30

No. of Thermometer 61575 Cor. - .1

Corrected temperature 36.9

Air 57

Surface 57

Drift. 1.0 1.0

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1/0.25	21.25	0	4.25	57.25
02.00	22.40	100		54.35
04.00	23.55	200	52.30	52.00
06.00	25.10	300	50.00	49.25
08.00	26.25	400	47.55	46.50
10.00	27.40	500	45.50	
12.00	28.55	600	43.45	43.15
14.00	30.10	700	41.40	39.25
16.00	31.25	800	39.35	35.25
18.00	32.40	900	37.30	32.30
		1000	35.25	29.25
		1100	33.20	26.10
		1200	31.15	23.00
		1300	29.10	19.30
		1400	27.05	16.15
		1500	25.00	12.30
		1600	22.55	09.00
		1700	20.50	6.05.15
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

One large fish -
Centrosomus - *Centrosomus* very abundant.
Pentaceros, large, Red Spiny.
Strophocentrus, aculeatus.
Colasson deis,
Melipotis - *Octopus*, *Pleurostoma*
Scolecophagus.

No.

24

Date

July 12/88

Sigsbee

Machine.

Reel.

Turns 1268 Cor. + 74

Depth 1342

Shot or lead 35 lb

Bottom Blue mud.

Bottom temperature 36.

No. of Thermometer 61595 Cor. - .1

Corrected temperature 35.9

Air 61

Surface 60

Drift $\frac{1}{2}$ Y. N. W.

Trawl or dredge or tangles

Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P. M.

10-10-10

37-10

0

11-10

36-10

100

12-10

35-20

200

13-5

34-35

300

14-5

33-45

400

15-0

32-50

500

16-5

32-0

600

17-10

31-0

700

18-15

30-0

800

19-25

29-0

900

20-35

27-45

1000

21-50

26-50

1100

23-5

25-45

1200

24-

25-0

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

10-40-0

6.01.1

13-00

58.2

48-0

55.25

52-10

52.10

55-35

49.25

58-55

46.20

3-02-35

43.10

5-0

31.10

10-10

36.50

14-0

34.00

18-20

31.00

22-10

27.10

26-10

24.10

29-55

20.30

33-50

16.45

37-30

11.45

40-45

06.15

44-20

05.10

47-50

04.00

51-50

53.00

55-50

49.15

4-0-10

45.15

04.00

4.36.30

1268
490
1758

74

1268
74

1342

Net came up slightly torn

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Crustacea — Lithodes Portunidae
 Glyptocercus aculeatus
 Mollusca — Serpulidae, Lysiope
 Echinodermata — Portulacaria Arborea
 Sclerites — Candacia, Aphidius
 Oligoneura, Unidentified

nos.

No. 2710

Date

Feb. 12

Machine.

Reel.

Turns 1215 Cor. 172

Depth 1237

Shot or lead 35 lb.

Bottom gn. sb.

Bottom temperature 36

No. of Thermometer 11525 Cor. - .1

Corrected temperature 35.9

Air 62

Surface

62

Drift.

13.5 N 1 E

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3 00	27 50	0	3 10	13-35
6 05	27 12	100	3 20	16-30
9 10	26 35	200	3 30	19-15
12 15	26 00	300	3 40	22-30
15 20	25 15	400	3 50	25-30
18 25	24 35	500	4 00	28-30
21 30	23 50	600	4 10	31-05
24 35	23 05	700	4 20	34-30
27 40	22 17	800	4 30	37-15
30 45	21 30	900	4 40	40-15
33 50	20 35	1000	4 50	43-35
36 55	19 40	1100	5 00	46-35
39 55	18 50	1200	5 10	49-30
		1300	5 20	52-45
		1400	5 30	55-45
		1500	5 40	58-45
		1600	5 50	61-45
		1700	6 00	64-45
		1800	6 10	67-45
		1900	6 20	70-45
		2000	6 30	73-45
		2100	6 40	76-45
		2200	6 50	79-45
		2300	7 00	82-45
		2400	7 10	85-45

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

2 red shrimps

SLP
No. 8.

No. 2791

Date July 14th 1881

Machine, Reel.

Turns 634 Cor. + 43 Depth 677

Shot or lead 35 lb

Bottom gy. M.

Bottom temperature 38

No. of Thermometer 1595 Cor. - 1

Corrected temperature 37.9

Air 61 Surface 61 Drift. $\frac{1}{2}$ mile ENE

Trawl or dredge or tangles large

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.00	5		0	1.07.40	1.00
1.01	10		100	51.45	50.15
1.02	20		200	55.15	47.00
1.03	30		300	57.15	46.00
1.03.50			400	10.03.20	12.40
1.04.55			500	07.45	12.15
1.05.10			600	11.10	45.30
			700	15.00	31.00
			800	18.35	25.35
			900	22.25	22.00
			1000	26.45	18.15
			1100	30.45	14.45
			1200	34.20	11.15
			1300	38.25	11.07.30
			1350		
			1400	40.30	59.15
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		

Water

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800	Echinoderm Sponges; Antennae. Actinodiscus, Actinoptera. Actinurus Sea-pens -			
900				
1000				

REMARKS.

Fishes - Mackerel 3 species
Abundant - *Chalinura*
Stomias.

Crustaceans - *Pentachorda*.
Sabinea - *Littorina*.

Mollusks - *Gastropoda*, *Nautilus*, *Coeloceras*,
Scaphander, *Actinurus*.

No. *9492* Date *March 2nd 1900*
Machine. *Bel Reel.*

Turns *375* Cor. *1* *26* Depth *401*

Shot or lead *60 lb.*

Bottom *br. m*

Bottom temperature *43*

No. of Thermometer *61575* Cor. *-1*

Corrected temperature *42*

Air *50* Surface *77* Drift *3.4 S. 1.5 E.*

Trawl or dredge or tangles *Large Net*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3-03-15</i>	<i>9-50</i>	0	<i>3-27-0</i>	<i>49 15</i>
<i>4-05</i>	<i>8-50</i>	100	<i>32-20</i>	<i>45 15</i>
<i>5-05</i>	<i>8-10</i>	200	<i>35-45</i>	<i>41 40</i>
<i>6-05</i>	<i>7-25</i>	300	<i>40-35</i>	<i>37</i>
<i>7-00</i>	<i>6-45</i>	400	<i>45-55</i>	<i>32</i>
		500	<i>50-15</i>	<i>27</i>
		600	<i>55-10</i>	<i>22</i>
		700	<i>59-10</i>	<i>17</i>
		800	<i>63-34</i>	<i>12</i>
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Coast Survey Station
 1881

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SERIAL-TEMPERATURE.

DEPTH. TEMP. NO. OF THER. COR. COR. TEMP.

25

50

100

200

300

400

500

600

700

800

900

1000

Fishes - *Macrurus* 3 species -

Halosphyra - *Maia*

Halosaurus - *Hemichthys*

Scopelus *Ephorista* *Bathy-*

onus 2 species -

REMARKS.

Curtaceans - *Pandalus* *Galathea*

red shrimp - *Portunulus* *Glypt-*

crangon *Munida* *Lithodes* 1

Mollusks - *Urosalpinx* *Pleurotoma*

Stomatopoda *Squilla* *Libinia* 1

Crustacea *Stomatopoda* *Libinia*

No.

1173

Date

March 3 1880

Machine.

Reel.

Turns

675

Cor.

1 1/6

Depth

721

~~Shot or lead~~

35 lbs.

Bottom

gn. M.

Bottom temperature

38.5

No. of Thermometer

615.5

Cor.

38.4

Corrected temperature

Air

70

Surface

75

Drift. 1 mi

Trawl or dredge or trawls

Long

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.08.15

23.05

0

6.08.15

23.05

10 00

22.15

100

32.30

32-0

11 00

21.30

200

30.00

30.00

12 00

20.45

300

29.15

29.15

13 00

19.50

400

43.15

24.10

14 00

19.00

500

45.30

21.30

15 00

18.00

600

49.30

18-45

700

54.00

15-50

800

57.30

13-00

900

7.01.30

10.30

1000

05.00

07.30

1100

01.30

01.30

1200

12.15

8.02.00

1300

16.15

5.15.00

1400

20.15

5.06.00

1500

24.15

7.02.15

1600

1700

1800

1900

2000

2100

2200

2300

2400

Towed surface temperature
 decaying

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Tides - Maximum 2.0 ft.
 Parathrodeum - Bath.
 onus - Cyclotone - Scapellato
 Cymbaceae
 REMARKS. Pandanus X
 alba 100 Skimp - 100
 Scapellato, Colossendeis
 Squilla - Mollusca - Crustacea
 Pinctorella - Pteropoda
 Silemoya
 2000 - 2000 - 2000 - 2000
 2000 - 2000 - 2000 - 2000

No.

Date

15th 1900

Machine. 72 Reel.

Turns. 58

Cor. +

4

Depth 66

Shot or lead 35 lbs.

Bottom

Bottom temperature

No. of Thermometer 6150.5

Cor. +.1

Corrected temperature

59.6

Air

Surface

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.48.00	1.48.00	0	1.52.35	13.30
		100	56.10	13.20
		155	2.01.15	11.25
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Toward Sea
 Deepening

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1000 fathoms
 Eurytemora affinis
 under -
 Heterosira, Turris, Gastro-
 poda -
 Loricata, Pteropoda, Annelida
 Hydroids.

No. 2795 Date March 15 1881
 Sigsbee Machine. Reel. Unwind
 Turns 30 Cor. + 3 Depth 33

Shot or lead 35 lbs

Bottom gy. s. bk. sp. brk. h.

Bottom temperature 64

No. of Thermometer 6159.5 Cor. - .1

Corrected temperature 64.1

Air 79 Surface 78 Drift 1/2 N. E.

Trawl or dredge or tangles large beam

SOUNDING WIRE.

DOWN.

UP.

4.11.45 112000

TURNS.

DREDGE ROPE.

DOWN.

UP.

0	4.23.00	116.10
85	26.00	43.30
100		
200		
300		
400		
500		
600		
700		
800		
900		
1000		
1100		
1200		
1300		
1400		
1500		
1600		
1700		
1800		
1900		
2000		
2100		
2200		
2300		
2400		

Two dredged net articles
are going.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

25
50
100
200
300
400
500
600
700
800
900
1000

fishes — Hippocampus
Aphoristia, *Mallotia*, *Upeneus*,
Prionotus, *Scorpaenidae*,
Batrachide, *Aphoristia*
and other REMARKS *flounders*.

Crustaceans — *Penaeus*, *Callinectes*,
Eupagurus, *Palaeomon*,
Molluscs — *Murex*, *Turbo*,
Gastropoda, *Conus*, *Venus*, *Perna*,
Panella,
Hydroids and *Sponges*.

No. 2790

Date March 5th 1888.

Tanner

Machine.

Reel.

Turns 31 Cor. + 2

Depth 33

Shot or lead 25 lb

Bottom gy. s. bk. sh.

Bottom temperature

None taken

No. of Thermometer

Cor.

Corrected temperature

Air 80

Surface

78

Drift. 1

Trawl or dredge or tangles

Cyanide

SOUNDING WIRE.

DOWN.	UP.
5.50	5.51

TURNS.

0

50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

5.52.00

12.40

54.40 60.06.40

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Tubes - Fluminea, Patrochid,
Mollusca - Turris, Turritella,
Echinoids - Spatangoid,
Clypeastrid.

H.S.

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air

Surface

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

170

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

61010

1300

3100

2810

Same swimming as 2796

Two swimmers in net

One young

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Notes — *Lophius* ^{MARKS} *Præacanthus*
Aphidius, *Tetrodon*, *Synodus*
Opacens, *Aphrodite* and other
plouder, *Pilene*, *Scorpaenide*
Batrachide, *Pays* & *cells* —
Stenip — *Swimming* *cells* —
Mollusks — *Murex*, *Lanus* *Torpedo*

No. 2728

Date March 5 1888.

Machine. Reel.

Turns Cor. + Depth 18

Shot or lead Band

Bottom G. M. S. M. S. Ch.

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air 80 Surface 78 Drift 1/2 S 1/2 E

Trawl or dredge or tangles large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

703 30

0.
60
100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

704 45 12 35
07 10 10 45

Thalassia testudinum
digging.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Under the REMARKS. & Small.
Gerritacarus - larva, Eupha-
 gurus, Aega, Amphipods.
 Mallus - Portia, Pleurostoma
 Turritella, Murex, Solen.
 Gorgonians & Sponges -

No.

2499

Date

March 6/88

Machine.

Reel.

Turns 28 Cor. 1 1/2

Depth 29 1/2

Shot or lead 25 lbs

Bottom Gn Mud.

Bottom temperature

none taken

No. of Thermometer

Cor. -

Corrected temperature

Air 46

Surface 75

Drift. in N. 1/2 E.

Trawl or dredge or tangles

Large B. m.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-14-15

0

11-16-30

12-16

77

100

11-20-0

11-38-45

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2000 Series 1.1 - white
 dredging.

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Fishes - Synodus, eels, Menidia,
 1 slender
 Crustaceans - small shrimp
 Polychaetes, Amphipods.
 Mollusks - large white bivalve
 Terebratulina - many, small
 Seda. Worms - Annelids, Nemertea

SLP

No. 2810

Date.

Hand Lead Machine. — Reel.

Turns

Cor. -1

Depth 7

Shot or lead

Bottom gn. M.

Bottom temperature not taken

No. of Thermometer

Cor.

Corrected temperature

Air 0°

Surface 7

Drift 78 m. S.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

10.32.45

TURNS.

0
35

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

35.00 10.49.45

From 1000 fathoms to 2500 fathoms
at 1000 fathoms began
to sweep it.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500	Fishes - Upeneus, Arius			
600	Aptenotia parvifolia alba			
700	Flounder - Seranus Lef.			
800	Sclera - Pinnatus Lef.			
900	Synallus - Tetodon.			
1000	Crustaceans - Cancer, Penaeus			
	na - alpheus. Band Squid			

Annulids & REMARKS. *Paraceras*
 Mollusks - *Cassio* *luna* *luna*
luna. *luna* *luna*.
 Tellina, *luna*. *luna*.
luna. *luna*. *luna*.
 Broad flat *luna*.

507 *SL*No. *2111*Date *July 3, 1901**Hand Lead* Machine. *Reel*

Turns

Cor. +

Depth *14*

Shot or lead

Bottom *gn Mb.*Bottom temperature *Not taken*

No. of Thermometer

Cor.

Corrected temperature

Air *83* Surface *78* Drift. *1/4 NE*Trawl or dredge or tangles *Trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS:

DREDGE ROPE.

DOWN.

UP.

AM
11.41.0

0

*11.41.3**40*
~~100~~*43.00* *55.30*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No.

2502

Date

March 30/11

Machine.

Reel.

Turns

Cor. +

Depth 16

~~Shot or lead~~

Bottom gn. M.

Bottom temperature

None taken

No. of Thermometer

Cor.

Corrected temperature

Air

84

Surface

78

Drift

22.57

Trawl or dredge or tangles

Large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0
50
100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1-04.30

08.00

25.00

22.20

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800	Fishes - <i>Prionotus</i> , <i>Squalus</i>			
900	<i>Polynemus</i> , <i>Squilla</i>			
1000	<i>Clupea</i> , <i>Microgaster</i>			
	<i>Tetrodon</i>			
	<i>Crinoid</i>			
	REMARKS. <i>Canis</i>			
	<i>Trachurus</i>			
	<i>Squilla</i>			
	<i>Trachurus</i>			
	<i>Tectopoma</i>			
	<i>Strophodon</i>			
	<i>Strophodon</i>			

No. 2803

Date

March 30 1881

Tanner Machine.

Reel. Baconett 27

Turns 25 Cor. 1

Depth 26

Shot or lead 25 lbs

Bottom gn. sb.

Bottom temperature

None taken

No. of Thermometer

Cor.

Corrected temperature

Air 85

Surface 78

Drift. 1/4

Trawl or dredge or tangles

Large beam

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

from 2 stop.

5000

0

25100

1000

~~100~~ 50

5300.

30703

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Fish - *Ophiodon* *leucurus*
 Crustaceans *Pinnixa*, *Shrimps*
Squilla, *Amphipods* &
Homarus
 Mollusks, *Gastropods*, 2 sp.
Cardium, *Fusus*, *Alina*, *Nitidul*
Urosalpinx, *Leda*, *Scaph*
Stomatopoda & *Decapoda*

17.8
1507

No. 2804 Date 1 Oct 1880
Hand Machine. Reel. Barone
 Turns 45 Cor. + 2 Depth 47
 Shot or lead, 35 lb
 Bottom fine s.s.
 Bottom temperature None taken.
 No. of Thermometer — Cor. —
 Corrected temperature —
 Air 85 Surface 81 Drift. S 11.0 W
 Trawl or dredge or tangles —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>1.10.00</u>	<u>1.10.00</u>	0	<u>1.10.00</u>	
		100		<u>5.00.00</u>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700	Fishes 10 ft under surface of water			
800	Fishes 10 ft under surface of water			
900	Printer.			
1000	Carnivorous Acanthocephalus			
	Heteronema, Scapula ser			
	not found.			
	REMARKS.			
	Mollusks Loliids. Common			
	Camarodonta, Murex, Venus			
	Argonauta dead - Venus			
	Lolida Arca			
	Starfish - Actinoptera			
	Sponges on sticks.			
	Amphipoda.			

No. *2805* Date *March 30th '88*

Machine. Reel.

Turns *46* Cor. *4* Depth *50*Shot or lead *25 lbs*Bottom *gy. m. s. b.*Bottom temperature *Not taken*

No. of Thermometer Cor.

Corrected temperature

Air *77* Surface *78* Drift. *1/2 S. 1/2 E.*

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.04.45 *8.05—*

0

100

12.2
200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800	<i>Under Lophius. Synodus</i> <i>tyannus. Berytus</i> <i>Albula. yellow. Haddock.</i>			
900				
1000				

REMARKS. *Handwritten notes:*
Amalgam
Albula yellow
Albula
Natica *Chiton* *Teredo*
Pecten
Annelids
Astropecten

No. 2640113 Date March 31 1888

Sigsbee Machine. — Reel. Bain

Turns/ 83/ Cor. + 70 Depth 1927

Shot or lead 35 lbs

Bottom gn. M.

Bottom temperature 36

No. of Thermometer 61595 Cor. — .1

Corrected temperature 35.9

Air 77 Surface 77 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

5 33 20	26 00	0		
34 20	25 20	100		
35 25	24 40	200		
43 50	24 00	300		
48 15	23 20	400		
49 15	22 20	500		
50 20	21 30	600		
51 25	20 40	700		
52 30	19 50	800		
53 35	19 00	900		
54 40	18 05	1000		
57 05	17 00	1100		
58 00	16 55	1200		
6 00 00	16 45	1300		
01 15	13 40	1400		
02 30	12 30	1500		
04 00	11 00	1600		
05 00	09 45	1700		
06 45	08 45	1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Hy 1114

Date

Apr 1st 1888

Machine.

Reel.

Turns 1640 Cor. +

89

Depth

1729

Shot or Lead

35 lb.

Bottom

kn mud

Bottom temperature

37

No. of Thermometer

61595

Cor.

Corrected temperature

36.9

Air

80

Surface

79

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN. 48.00

4-5.30 38-10

7-40 37-15

9-50 36-20

10-0 35-30

10-30 34-50

11-25 34-0

12-15 33-25

13-20 32-45

14-15 31-50

15-10 31-0

15-55 30-20

16-45 29-15

17-15 27-20

18-5 26-10

19-15 25-15

20-20 24-5

21-30 23-0

22-5 4-22-10

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE:

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 115 Date June 15 1881

Machine. Reel.

Turns 1750 Cor. 1 Depth 1750

Shot or lead 60 lbs.

Bottom gy. s. m. s. m.

Bottom temperature

No. of Thermometer 4757 Cor. - .1

Corrected temperature 35.9

Air 82 Surface 82 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

P. 11 11.25 - 17.30 0

29.25 16.20 100

31.25 15.40 200

33.25 14.50 300

35.25 14.00 400

37.25 13.05 500

39.25 12.10 600

41.25 11.10 700

43.25 10.10 800

45.25 08.50 900

47.25 07.10 1000

49.25 03.- 1100

51.25 01.50 1200

53.25 12 00.45 1300

55.25 59.30 1400

57.25 58.15 1500

59.25 57.00 1600

61.25 55.50 1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *116*Date *April 21 1885*Machine. *Sigsbee*Reel. *Baird*Turns *1580* Cor. *27*Depth *1657*Shot or lead *60 lb*Bottom *dk. br. M. S. for*Bottom temperature *36*No. of Thermometer *61595* Cor. *-.1*

Corrected temperature

*35.9*Air *83*Surface *83*

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>1.55.15</i>	<i>30.25</i>	0
<i>56.15</i>	<i>29.40</i>	100
<i>57.40</i>	<i>29.00</i>	200
<i>58.45</i>	<i>28.10</i>	300
<i>59.50</i>	<i>27.18</i>	400
<i>61.00</i>	<i>26.20</i>	500
<i>62.10</i>	<i>25.30</i>	600
<i>63.10</i>	<i>24.30</i>	700
<i>64.15</i>	<i>23.30</i>	800
<i>65.20</i>	<i>22.30</i>	900
<i>66.30</i>	<i>21.30</i>	1000
<i>67.40</i>	<i>20.20</i>	1100
<i>68.50</i>	<i>19.10</i>	1200
<i>10.00</i>	<i>17.55</i>	1300
<i>11.05</i>	<i>16.30</i>	1400
<i>12.20</i>	<i>15.15</i>	1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hy. 1117* Date *Apr 24/05*
Lucas Machine. Reel. *Bainbridge*
 Turns *1645* Cor. *1* *79* Depth *1646*
 Shot or lead *35 lb*
 Bottom *gy. s. m. l. gy.*
 Bottom temperature *36*
 No. of Thermometer *195* Cor. *-.1*
 Corrected temperature *35.9*
 Air *81* Surface *80* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.

DOWN. UP.

TURNS.

DREDGE ROPE.

DOWN. UP.

<i>47.30</i>	0
<i>16.30</i>	100
<i>16.40</i>	200
<i>16.50</i>	300
<i>17.00</i>	400
<i>17.10</i>	500
<i>17.20</i>	600
<i>17.30</i>	700
<i>17.40</i>	800
<i>17.50</i>	900
<i>18.00</i>	1000
<i>18.10</i>	1100
<i>18.20</i>	1200
<i>18.30</i>	1300
<i>18.40</i>	1400
<i>18.50</i>	1500
<i>19.00</i>	1600
<i>19.10</i>	1700
	1800
	1900
	2000
	2100
	2200
	2300
	2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

SLP

No. 1118

Date April 24 88

Machine.

Reel.

Turns 154 Cor. 1

Depth 1610

Shot or lead 60 lb.

Bottom br. Glob. Oz.

Bottom temperature 36

No. of Thermometer 6159.5 Cor. -.1

Corrected temperature

25.9

Air 84 Surface 83 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

57. 25.2

0

59.00 27.10

100

1.02.20

200

1.01.25

300

1.00.30

400

1.00.35

500

1.00.40

600

1.00.45

700

1.00.50

800

1.00.55

900

1.01.00

1000

1.01.05

1100

1.01.10

1200

1.01.15

1300

1.01.20

1400

1.01.25

1500

1.01.30

1600

1.01.35

1700

1.01.40

1800

1.01.45

1900

1.01.50

2000

1.01.55

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1119* Date *April 1895*
 Machine. Reel. *B.*
 Turns *1275* Cor. *66* Depth *1341*
 Shot or lead *35*
 Bottom *vr. s. oo. gy.*
 Bottom temperature *36*
 No. of Thermometer *61595* Cor. *-.1*
 Corrected temperature *35.4*
 Air *80* Surface *80* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.
<i>arr.</i>		
<i>9 01 15</i>	<i>26 15</i>	0
<i>02 20</i>	<i>25 30</i>	100
<i>03 15</i>	<i>24 45</i>	200
<i>04 10</i>	<i>24 00</i>	300
<i>05 08</i>	<i>23 20</i>	400
<i>06 05</i>	<i>22 25</i>	500
<i>07 00</i>	<i>21 30</i>	600
<i>08 00</i>	<i>20 30</i>	700
<i>08 50</i>	<i>19 30</i>	800
<i>09 50</i>	<i>18 30</i>	900
<i>10 45</i>	<i>17 30</i>	1000
<i>1 14 5</i>	<i>16 30</i>	1100
<i>12 50</i>	<i>15 30</i>	1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 06 Date April 30/88Machine. Baird Reel. BairdTurns 1379 Cor. 67 Depth 1379Shot ~~or lead~~ 60 lbsBottom Br. M. S. S.Bottom temperature 36.5No. of Thermometer 61595 Cor. -.1Corrected temperature 36.4Air 85 Surface 80 Drift. 1 1/2 N 57 WTrawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4-5-40 52.304-58-0

100

5-05-10

200

6-10

300

7-20

400

12-30

500

15-15

600

17-45

700

19-45

800

21-45

900

23-45

1000

25-45

1100

27-45

1200

29-45

1300

31-45

1400

33-45

1500

35-45

1600

37-45

1700

39-45

1800

41-45

1900

43-45

2000

45-45

2100

47-45

2200

49-45

2300

51-45

2400

53-45

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*Temperature of water
at 1000 fathoms
depth.*

No. *2407* Date *April 4*
Sigsbee Machine. Reel. *Baird*
 Turns *770* Cor. + *42* Depth *812*
 Shot or lead *35 lb*
 Bottom *W. G. S. M.*
 Bottom temperature *58.2*
 No. of Thermometer *61595* Cor. *-.1*
 Corrected temperature *38.4*
 Air *79* Surface *79* Drift *3/4 mile S.*
 Trawl or dredge or tangles *2*

SOUNDING WIRE.

DOWN.	UP.
<i>5 05 30</i>	<i>2 10</i>
<i>06 20</i>	<i>22 10</i>
<i>07 40</i>	<i>21 15</i>
<i>08 15</i>	<i>20 15</i>
<i>09 00</i>	<i>17 15</i>
<i>10 00</i>	<i>8 15</i>
<i>11 30</i>	<i>16 30</i>
<i>12 00</i>	<i>15 00</i>

TURNS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

DREDGE ROPE.

DOWN.	UP.
<i>5 31 00</i>	<i>46 00</i>
<i>36 30</i>	<i>42 45</i>
<i>39 30</i>	<i>40 10</i>
<i>45 30</i>	<i>37 15</i>
<i>47 30</i>	<i>34 35</i>
<i>52 30</i>	<i>32 00</i>
<i>54 30</i>	<i>29 30</i>
<i>58 30</i>	<i>26 50</i>
<i>6 02 15</i>	<i>24 00</i>
<i>06 00</i>	<i>21 00</i>
<i>09 45</i>	<i>17 45</i>
<i>13 45</i>	<i>14 30</i>
<i>17 15</i>	<i>11 15</i>
<i>21 30</i>	<i>08 15</i>
<i>25 00</i>	<i>06 00</i>
<i>28 15</i>	<i>7 02</i>
<i>33 10</i>	<i>58 00</i>

No.

2808

Date

April 4/88.

Machine.

Reel.

Reel A

Turns

600

Cor.

34

Depth

634

Shot or lead

55 lbs

Bottom

Co. S.

Bottom temperature

40

No. of Thermometer

61595

Cor.

-.1

Corrected temperature

39.3

Air

79

Surface

79

Drift.

2/10m S 10 E

Trawl or dredge or tangles

Reel A

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DOWN.

DREDGE ROPE.

UP.

14-30

38-0

0

11-30

11-30

15-25

27-0

100

15-15

08-25

16-25

26-10

200

19-30

05-10

17-30

25-0

300

11-02-0

11-02-0

18-30

24-0

400

46-15

59-0

19-30

23-0

500

49-15

55-35

20-30

22-40

600

52-20

49-15

700

55-20

43-50

800

59-0

39-45

900

10-02-45

36-0

1000

06-30

32-20

1100

09-30

28-45

1200

12-35

10-22-30

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

700 fms. in g. of sea
 1000 fms. in g. of sea

No. 2859 Date April 4th 1888
 Machine. Reel
 Turns 43 Cor. + 2 Depth 45
 Shot or lead 35
 Bottom gy. s.
 Bottom temperature 74
 No. of Thermometer 61595 Cor. + .1
 Corrected temperature 74.1
 Air 80 Surface 89 Drift 10 S 81 S
 Trawl or dredge or tangles none seen

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

150

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1. 30. 20 43. 15

28. 30 37. 50

35. 20 38. 15

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				79
300				
400				
500				
600				
700				
800				
900				
1000				

2 sp Aphidinae
5 sp. Aleyrodinae
2000 1 sp. Spromyza

No. *Hy 120* Date *Oct 17 1881*Machine. *Agassiz*Reel. *B*Turns *270* Cor. + *17* Depth *287*Shot or lead *35*Bottom *hd*Bottom temperature *same as last*No. of Thermometer *67545* Cor.

Corrected temperature

Air *80* Surface *78* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

am *43-15**55-50**0**" " "**53-40**100**" " "**49-50**200**" " "**7-48-10**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL-TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

2810

Date

April 7, 1888

Machine.

Reel.

Turns

Cor. +

Depth 6 1/2

Shot or lead

7 lb

Bottom

co. S.

Bottom temperature

None taken.

No. of Thermometer

6595

Cor.

Corrected temperature

Air

75

Surface

81

Drift.

2 1/2 N. 91.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5820

25

500
15001815
1730

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Station, Sump.
Echinos
fragment of coral.

No. 2811

Date

April 7th 1881

Machine.

Reel.

Turns

Cor. +

Depth 19

Shot or lead

7th

Bottom

Bottom temperature

Stone to line

No. of Thermometer

Cor.

Corrected temperature

Air 85

Surface 81

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

5 21 00

TURNS.

0

50
~~100~~

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

5 21 15

26 00

28 15

*Draw: 50 fathoms on rock, and
 sand up with green broken
 and net down.*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*Found 4 fragments of
 coral.*

No.

2812

Date

April 7th 1880

Hand lead

Machine.

Reel.

Turns

Cor.

Depth 20

Shot or lead

7 lb

Bottom

Bottom temperature None taken

No. of Thermometer

Cor.

Corrected temperature

Air 85 Surface 81

Drift 2 1/2 N. 10 E.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

53720

4000

11730

11500

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Flounder.
several crabs -
a starfish
+ some *Hydromedusa*

No. *253* Date *April 7 1880*

Machine.

Reel. *Baird*Turns *38* Cor. *1 2* Depth *40*Shot or lead *35 lb*Bottom *fine*Bottom temperature *None taken*

No. of Thermometer Cor.

Corrected temperature

Air *85* Surface *81* Drift. *N.*~~Trawl or dredge or tangles~~ *Ship*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>5 1 1/2</i>	<i>50 00</i>	0	<i>5 51 00</i>	<i>07 00</i>
		70	<i>54 30</i>	<i>6 04 00</i>
		400		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Shrimp
Common
Echinoids
Large clypeus
high, bifurcated
long spines

No. 1121

Date April 7/88

Sigsbee

Machine.

Reel.

Bird.

Turns 270 Cor. + 16 Depth 286

Shot or lead 35 lb.

Bottom gy. Sand. Rk. Lk.

Bottom temperature 46

No. of Thermometer 61595 Cor. - .1

Corrected temperature 45.9

Air 78 Surface 50 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS:

1.00

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hyd 1122* Date *Oct 1, 1881*Machine. *Sigsbee*Reel. *Baird*Turns *180* Cor. + *11* Depth *191*Shot or lead *35 lb*Bottom *fm gy*Bottom temperature *54*No. of Thermometer *61595* Cor. *-.1*Corrected temperature *53.9*Air *80* Surface *79* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.	UP.		DOWN.	UP.
		0		
32.15	34.50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2815*Date *April 9th 1881**Hand lead* Machine. Reel.

Turns

Cor. +

Depth *20*~~Shot or lead~~ *7 lb*Bottom *br*

Bottom temperature

None

No. of Thermometer

Cor.

Corrected temperature

Air *51*Surface *52*Drift. *2 1/2 31 1/2*~~Trawl or dredge or tangles~~ *2 1/2*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

40
100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*5 17**10 10**25 00**22 30*

*Bridge and up from base
low in head in air*

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*1. Afternoon
Coral
Banyan*

No. 2815

Date April

Tanner

Machine.

Reel. Barnett 21.

Turns 32 Cor. + 1 1/2

Depth 33 1/2

Shot or lead 25 lb

Bottom gy. sh. sp.

Bottom temperature None taken

No. of Thermometer

Cor.

Corrected temperature

Air 82

Surface 79

Drift. 1/2 1/2

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

DOWN.

UP.

5 27

5 30

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

5 30

40 00

38 15

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Halimeda *Halimeda* *Halimeda*
Stauratomia - *Stygionema*
Spongia
 Small corals

No. *2816* Date *April 9th 1888*
 Machine. Reel. *V.*
 Turns *75* Cor. *1 3/2* Depth *78 1/2*
 Shot or lead *25 lb*
 Bottom *gy. S. f.*
 Bottom temperature *None taken*
 No. of Thermometer Cor.
 Corrected temperature
 Air *81* Surface *79* Drift. *1/20*
~~Trawl or dredge or tangles~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

120

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

13 m. can.
H. 1/2 m. 1/2 m. 1/2 m.
C. 1/2 m. 1/2 m.
Cup. 1/2 m. 1/2 m.
S. 1/2 m. 1/2 m.

No. *Hy. 1123* Date *April 13/88*
Sigsbee Machine. Reel. *B and*
 Turns *102* Cor. + *6* Depth *1.08*
 Shot or lead *38 lbs.*
 Bottom *wh. sand.*
 Bottom temperature *58*
 No. of Thermometer *61595* Cor. + *.1*
 Corrected temperature *58.1*
 Air *81* Surface *79* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8-55-50 9-1-0
56-45 8-58-50

0

 100
 200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

LLP

No. *Hyd 1124* Date *April 14th 88**Sigsbee* Machine. Reel. *Bd*Turns *131* Cor. + *8* Depth *139*Shot or lead *35 lbs.*Bottom *wh. ls S.*Bottom temperature *56.3*No. of Thermometer *61595* Cor. *-.1*Corrected temperature *56.2*Air *80* Surface *78* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

all
*12.52.45**58.15*

0

*54.15**56.30*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

all expenditure noted.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.